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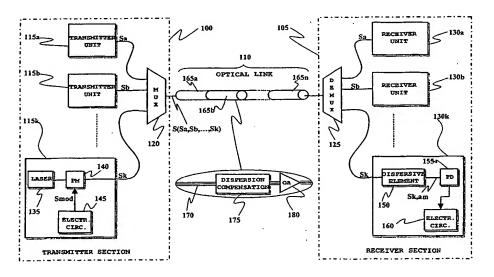
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(54) Title: OPTICAL COMMUNICATION SYSTEM



(57) Abstract: An optical communication system, comprises: a transmitter (100) generating a phase-modulated optical signal (Sa, Sb,..., Sk); a receiver (105) receiving the phase-modulated optical signal; an optical communication link (110) between the transmitter section and the receiver section. The optical communication link is a dispersion-managed optical communication link comprising dispersion-compensating elements (175;175a,175b), propagating the phase-modulated optical signal at substantially constant optical power. The receiver comprises a dispersive element (150;550;650a,650b) having a prescribed dispersion, the dispersive element receiving and converting the phase-modulated optical signal into a corresponding intensity-modulated optical signal, and an optical intensity detector (155;655a,655b) fed with the intensity-modulated optical signal.

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